Patent
Docket No. UC-3

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of the claims in the application:

Listing of Claims:

1. (currently amended) A digital audio file reproduction apparatus having wireless transfer capability with a remote device that responds to receipt of a link request radio signal by transmitting an in range radio signal, comprising:

a memory;

a controller coupled to store and recall digital audio files with said memory;

a transceiver, coupled to said controller, operable to transmit and receive digital audio files according to a radio protocol;

an audio circuit coupled to receive audio files from said controller, and output the audio files for analog audio reproduction, and wherein

said controller is coupled to cause said transceiver to periodically transmit a link request signal;

said controller is responsive to the receipt of an in-range radio signal by said transceiver, from the remote device, which responds to said link request signal, to automatically exchange digital audio files with the remote device via said radio protocol.

2. (original) The apparatus of Claim 1 wherein said memory further comprises a memory card slot coupled to said controller and adapted to accept a user-replaceable memory card.

3. (original) The apparatus of Claim 2 wherein said memory card slot is adapted to accept plural user-replaceable memory cards.

4. (original) The apparatus of Claim 1 wherein said controller is operable to compress and decompress the digital audio files.

5. (original) The apparatus of Claim 4 wherein the digital audio files are compressed and decompressed according to the MP3 format.

6. (original) The apparatus of Claim 4 wherein said controller comprises a digital signal processor operable to compress and decompress the digital audio files.

7. (original) The apparatus of Claim 1 further comprising:

a microphone circuit coupled to said controller, and wherein

said controller is operable to receive microphone audio signals from said microphone circuit, and operable to digitize and store said microphone audio signals as digital audio files in said memory.

8. (original) The apparatus of Claim 1 wherein said air protocol is selected from one of a wireless LAN standard protocol, the Bluetooth protocol, a proprietary cordless telephone data protocol, and the 2.4 GHz cordless protocol.

9. (original) The apparatus of Claim 1 wherein said controller controls said transceiver to periodically transmit a link request radio signal for receipt by the remote device.

10. (original) The apparatus of Claim 1 wherein said controller is operable to control said transceiver to transmit an in-range radio signal in response to receipt of a link request radio signal from the remote unit.

11. (original) The apparatus of Claim 10 wherein said in-range radio signal comprises a list of digital audio files stored in said memory.

12. (original) The apparatus of Claim 1 wherein said controller is operable to control said transceiver to transmit a list of digital audio files stored in said memory in response to receipt of said in-range radio signal.

13. (original) The apparatus of Claim 1 further comprising a user input actuator, and wherein said controller is operable to cause said transceiver to transmit and receive digital audio files with the remote device in response to actuation of said user input actuator.

14. (original) The apparatus of Claim 1 wherein said controller is a personal computer and an interface bus and said transceiver is disposed upon an interface card coupled to said interface bus.

15. (original) The apparatus of Claim 14 wherein said audio output circuit is a personal computer sound card.

16. (original) The apparatus of Claim1 further comprising:
a display coupled to said controller, and wherein
said controller is operable to display a list of files names associated with the digital audio files stored in said memory.

17. (original) The apparatus of Claim 1 wherein the digital audio file reproduction device is adapted for vehicular use and said audio output circuit couples analog audio files to an existing vehicular audio system.

18. (canceled).

19. (currently amended) A method of transferring digital audio files between a first memory in a first device and a second memory in a second device using wireless transmission means, comprising the steps of:

periodically transmitting a link request radio signal by the first device;

transmitting a responsive in range radio signal by the second device, in response to receiving one of said link request radio signals;

automatically recalling a first digital audio file from the memory of the first device and transmitting said first digital audio file by wireless transmission means to the second device and storing said first digital audio file in the memory of the second device, and

recalling a second digital audio file from the memory of the second device and transmitting said second digital audio file to the first device and storing said second digital audio file in the memory of the first device.

20. (original) The method of Claim 19 further comprising the steps of:
recalling said first digital audio file from the memory of the second device, and
reproducing the audio file by analog means.

21. (original) The method of Claim 19 wherein said transmitting steps are accomplished according to a radio protocol.

22. (original) The method of Claim 19 wherein the second memory includes a card slot adapted to receive a memory card, and further comprising the step of:
inserting a memory card into the memory card slot.

23. (original) The method of Claim 19 further comprising the steps of:
compressing said first digital audio file by the first device, and
storing said first audio file in the memory of the first device.

24. (original) The method of Claim 23 further comprising the steps of:

recalling said first digital audio file from the memory of the second device;

decompressing said first audio file by the second device, and

reproducing the audio file by analog means.

25. (original) The method of Claim 24 wherein the digital audio files are compressed and decompressed according to the MP3 format.

26. (original) The method of Claim 19 wherein the second device includes a microphone circuit, and further comprising the steps of:

receiving microphone audio signals from the microphone circuit, and

digitizing said microphone audio signals, and

storing said microphone audio signals as digital audio files in the second memory.

27. (original) The method of Claim 19 wherein the wireless transmission means operates in accordance with one of a wireless LAN standard protocol, the Bluetooth protocol, a proprietary cordless telephone data protocol, and the 2.4 GHz cordless protocol.

28. (original) The method of Claim 19 wherein said responsive radio signal includes an in-range radio signal.

29. (original) The method of Claim, 28 wherein said in-range radio signal includes a list of digital audio files stored in the second memory.

30. (original) The method of Claim 28 and further comprising the step of:

transmitting, by the first device, a list of digital audio files stored in the first memory in response to receipt of said in-range radio from the second device.

31. (original) The method of Claim 19 wherein the first device includes a user input
actuator, and further comprising the steps of:

exchanging digital audio files between the first memory of the first device and the
second memory of the second device by wireless transmission means in response to
actuation of the user input actuator.

32. (original) The method of Claim 19 wherein the first device includes a display,
and further comprising the step of:

displaying a list of files names associated with the digital audio files stored in the
first memory.